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client server and parallel worker thread spawn

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... properly, multithreaded ORBs can improve the efficiency and predictability of **client** and **server** applications ... For instance, multiple **client** requests can be ser- viced simultaneously by one or more ... of control, which can be mapped to CPU and executed in **parallel** on multiprocessor ...

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D Petriu, G Somadder - Proceedings of EuroPLoP'97 - Citeseer

... Example Figure 7 shows the effect on the system throughput of moving the reception of **client** messages from the **main thread** to the **worker threads** in a software **server** using a **thread** pool with 10 **threads**. ... **Worker thread (parallel reception)** Page 10. ...

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... A **client** sends a two-way Request message to a **server** and therefore ex- pects to receive a Reply message. The **main thread** of the **client** loads the Request marshal message of type 1.0 in the writer cache. Simultaneously, a pre-loaded **parallel worker thread** loads into the ...

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P Mehrotra, M Haines - Languages and Compilers for Parallel Computing, 1995 - Springer

... needed to support RPC-style communications [21], as well as **client-server** applications and ... Chant utilizes the **server thread** and the remote service request mechanism to implement primitives ... introducing a new object, called a rope, which corresponds to a data **parallel thread**. ...

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[psu.edu](#) [PDF]M Naik, A Aiken, J Whaley - ... of the 2006 ACM SIGPLAN conference ..., 2006 - [portal.acm.org](#)

... annotations, such as allow- ing the user to exclude: • A pair $(i1,i2)$ where $i1,i2 \in$ text invoke methods in the interface of an open program that are not intended to be invoked in **parallel** on shared data by a **client**. ... A pair (i, i) where $i \in$ lint spawns a single **thread** (or spawns ...

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[BOOK] [Pthreads programming](#)

B Nichols, D Buttler, JP Farrell - 1996 - books.google.com

... 7 Specifying Potential Parallelism in a Concurrent Programming Environment 9 **Parallel** vs. ... **Server:**
Boss **Thread** (atm_svr.c) 49 2-8 Multithreaded ATM **Server: Worker Thread** process_request 50
2 ... matrix_serial.c) 55 2-10 Multithreaded Matrix-Multiply Program **main** Routine 56 2 ...

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DC Schmidt, S Mungee, S Flores-Gaitan, A ... - Real-Time Systems, 2001 - Springer

... Each **thread** processes requests that are sent to its servant by **client threads** on the other
UltraSPARC-2. Page 21. ... The **server** benchmarking configuration is implemented in the various
ORBs as follows: •CORBAplus: which uses the **worker thread** pool architecture ...

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ES Mandlakos, DG Galeotopoulos - INFORMATICA-LJUBLJANA, 1999 - Citeseer

... A special purpose stack residing on the **client** side allows the user to push and pop tasks destined
to be executed on ... a simple and user friendly environment for the rapid prototyping of **parallel**
applications on clusters, but also high quality **parallel** code in ... Manager **Worker** ...

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N Stankovic, K Zhang - IEEE Transactions on Software Engineering, 2002 - Citeseer

... limitation of most current systems is the synchronous point-to-point (ie, **client-server**) nature of ...
approach also eliminates a potential bottleneck caused by a single file **server** servicing many ...
STANKOVIC AND ZHANG: A DISTRIBUTED **PARALLEL** PROGRAMMING FRAMEWORK ...

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CA Waldspurger, WE Weihl - ... of the 1st USENIX conference on ..., 1994 - portal.acm.org

... **client-server** application that shares properties with real databases and information retrieval
systems. Our **server** initially loads a 4.6 Mbyte text file "database" containing the complete text
to all of William Shakespeare's plays. It then forks off several **worker threads** to process ...

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